

Figure 1

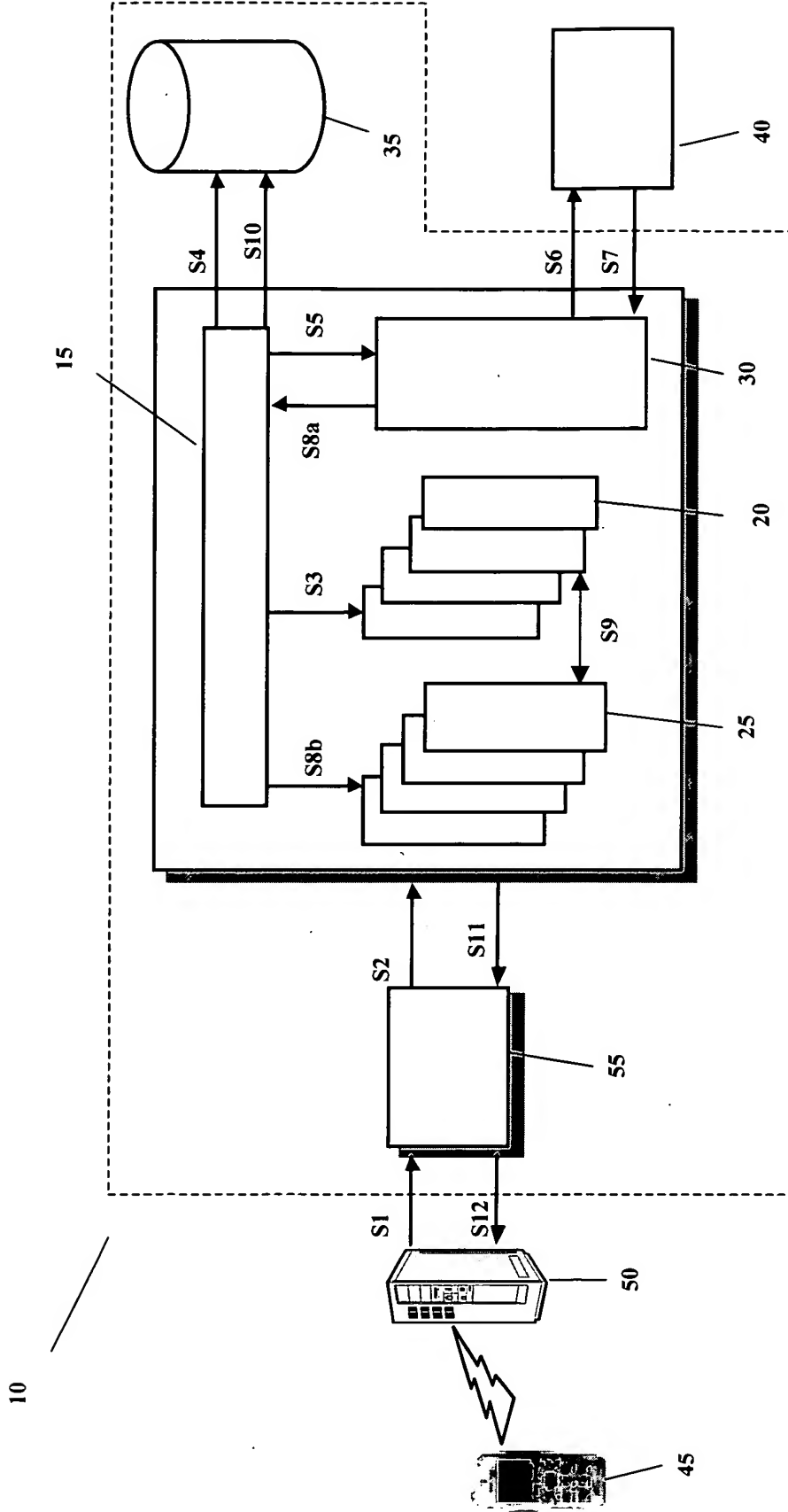


Figure 2

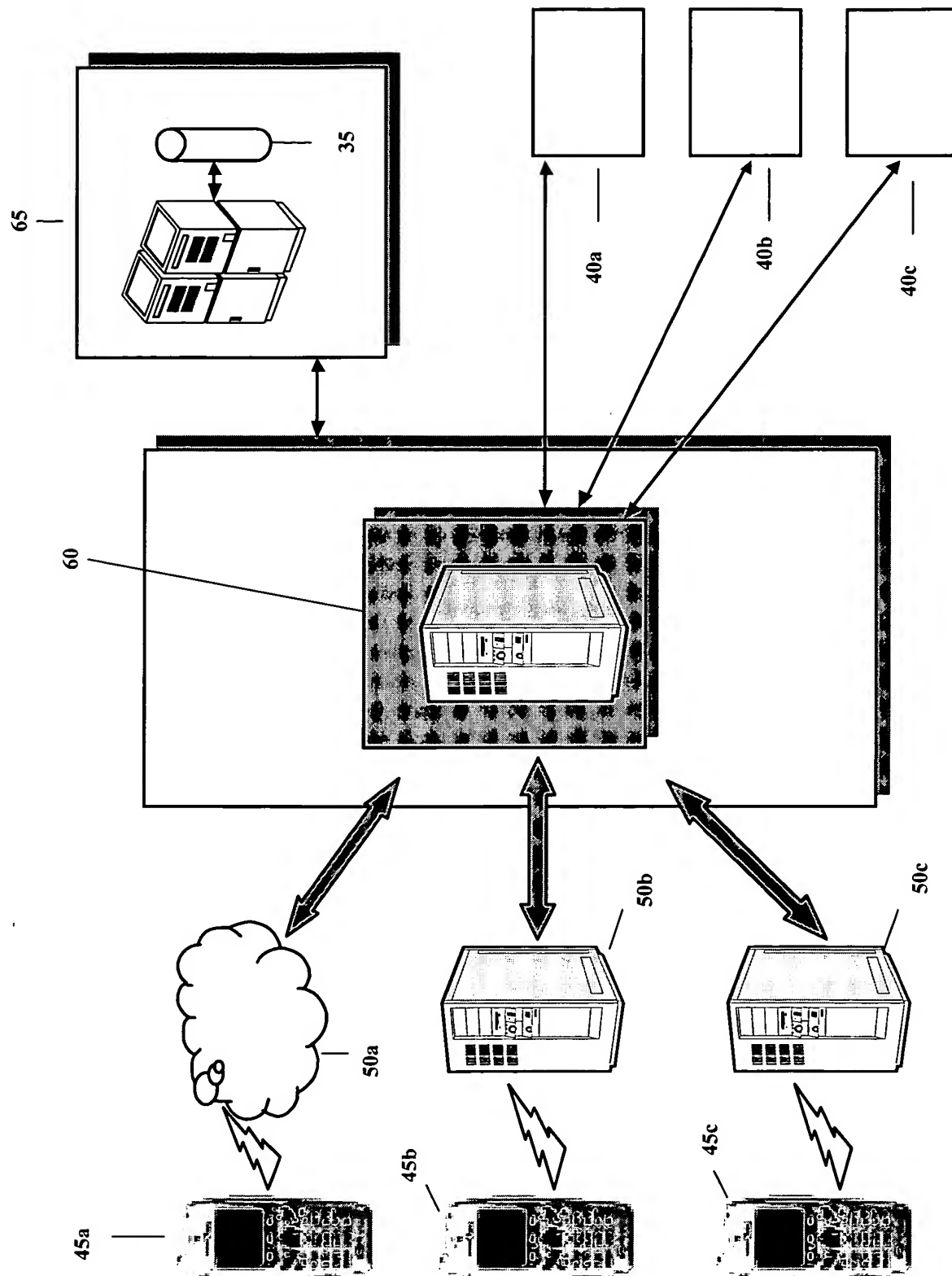


Figure 3a

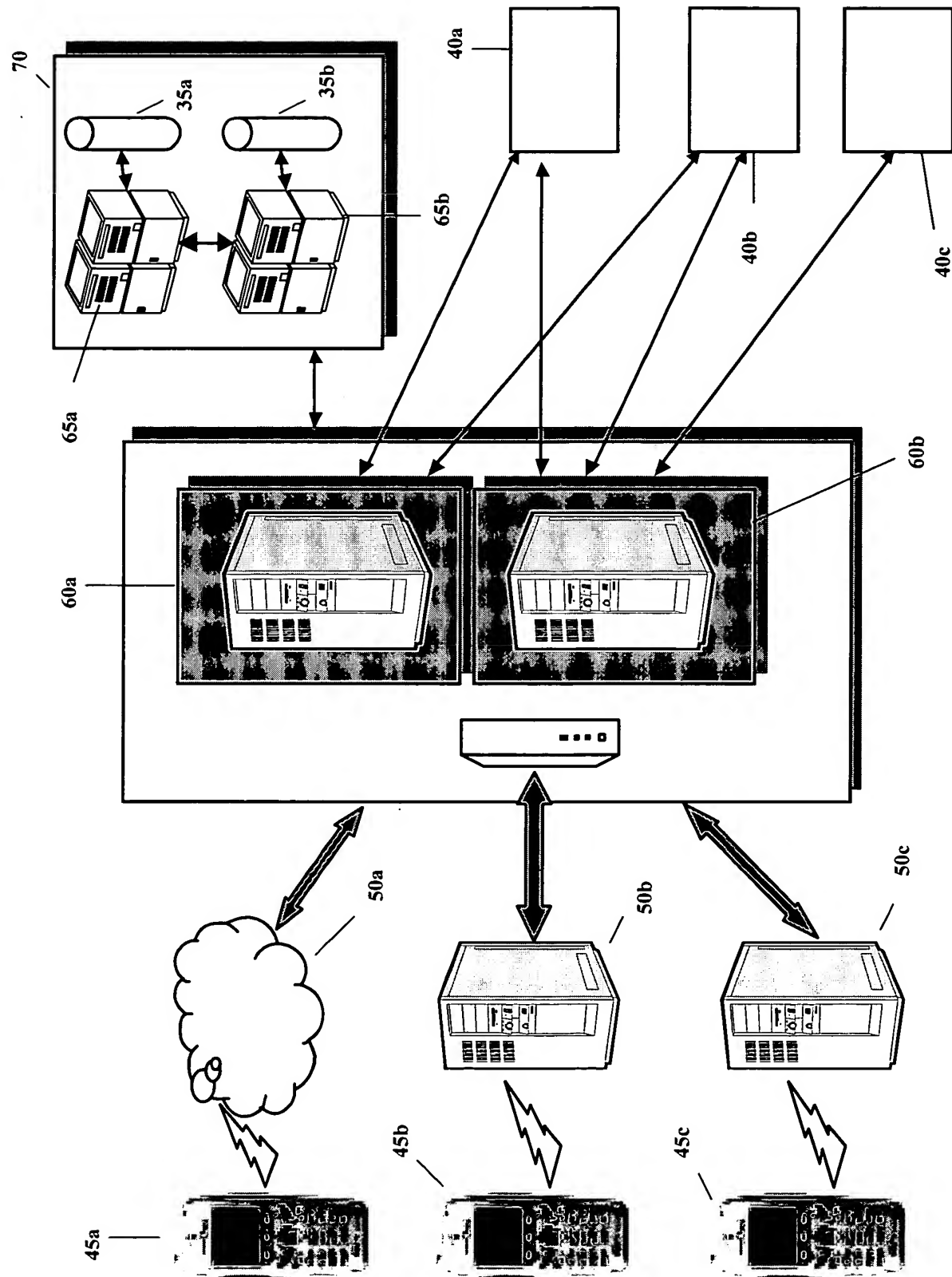


Figure 3b

10

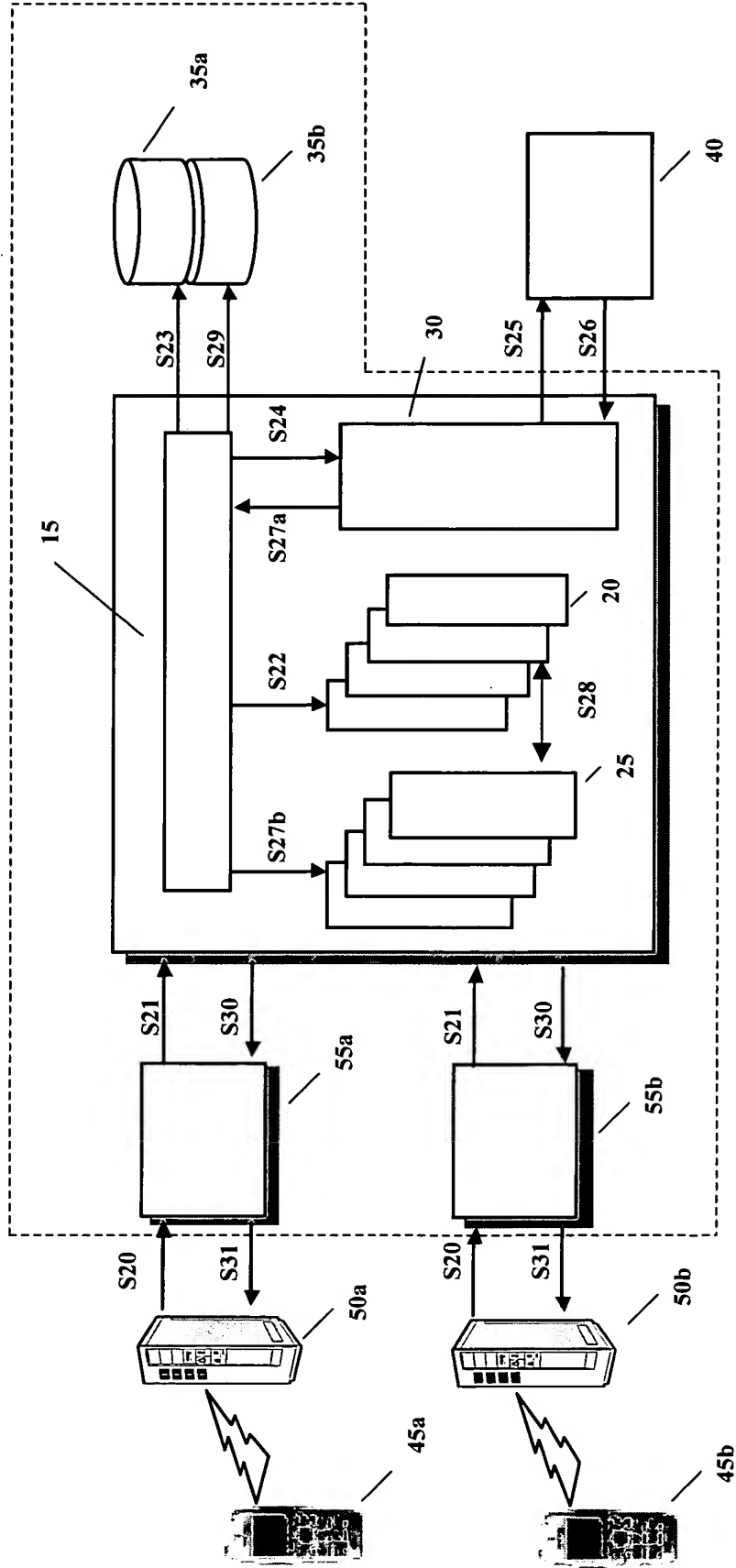


Figure 4

```

<html>
<head>
</head>
<body>
<form name=Form1 method=post
      action="Default.asp">
  Welcome to Citibank<br>
  Account
  <input type=text name= LoginId size=10
        value="1234567890">
  <br>
  Password
  <input type=password name=pswd size=10>
  <br>
  <input type=submit name=cmdSubmit
        value="Login">
  <input type=submit name=cmdSubmit
        value="Cancel">
</form>
</body>
</html>

```

**Figure 5a**

Welcome to Citibank

Account 1234567890

Password

Login Cancel

**Figure 5b**

```

<mobile>
<html>
<head>
</head>
<body>
<form name=Form1 method=post action="Default.asp"
<card>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" type="text" value="1234567890"
    format="*N"/>
  <br>
  </card>
  <card>
    Password
    <input name="pswd" type="password"/>
    <br>
    </card>
    <card>
      <input name="cmdSubmit" type="submit" value="Login">
      <input name="cmdSubmit" type="submit" value="Cancel">
    </card>
  </form>
</body>
</html>
</mobile>

```

Figure 6a

```

<html>
<head>
</head>
<body>
<form method="post" action="www.CitiMobile.com/ChtmlHome.asp?CrtSt=aaabbb">
  Welcome to Citibank<br>
  Account
  <input type=text name=LoginId value="1234567890">
  <br>
  Password
  <input type=password name=pswd>
  <br>
  <input type=submit name=cmdSubmit value="Login">
  <input type=submit name=cmdSubmit value="Cancel">
</form>
</body>
</html>

```

Figure 6b

```

</mobile>
</html>
</head>
</head>
</body>
<form name=Form1 method=post action="Default.asp"
<card>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" type="text" value="1234567890"
    format="*N"/>
  <br>
  </card>
  <card>
    Password
    <input name="pswd" type="password"/>
    <br>
    </card>
    <card>
      <input name="cmdSubmit" type="submit" value="Login">
      <input name="cmdSubmit" type="submit" value="Cancel">
    </card>
  </form>
</body>
</html>
</mobile>

```

Figure 7a

```

<%Response.ContentType="text/x-hdml"%>
<hdml Version=3.0 ttl=0 markable=false>
<Entry name=c01 key=LoginId Format="*N" default="1234567890">
<action type=accept task=go dest="#c02">
Welcome to Citibank<BR>
Account
</Entry>
<Entry name=c02 key=pswd Format="*N" NOECHO=true default="">
  <action type=accept task=go dest="#c98">
    Password
  </Entry>
  <choice name=c98 key=cmdSubmit>
  <ce value="Login" task=go DEST=#c99>Login
  <ce value="Cancel" task=go DEST=#c99>Cancel
  </choice>
  <nodisplay name=c99>
  <action type=accept task=go
    method=post dest="www.CitiMobile.com/HdmlHome.asp?CrtSt=aaabbb"
    postdata="LoginId=$(LoginId)&pswd=$(pswd)&cmdSubmit=$(cmdSubmit)">
  </nodisplay>
</hdml>

```

Figure 7b



```

</mobile>
</html>
</head>
</head>
<body>
<form name=Form1 method=post action="Default.asp"
<card>
Welcome to Citibank<br>
Account
<input name="LoginId" type="text" value="1234567890"
format="*N"/>
<br>
</card>
</card>
Password
<input name="pswd" type="password"/>
<br>
</card>
<card>
<input name="cmdSubmit" type="submit" value="Login">
<input name="cmdSubmit" type="submit" value="Cancel">
</card>
</form>
</body>
</html>
</mobile>

```

Figure 8a

```

<%Response.ContentType="text/vnd.wap.wml"%>
<?xml version="1.0"?>
<DOCTYPE wml PUBLIC "-//WAPFORUM/DTD WML 1.1//EN"
"http://www.wapforum.org/DTD/wml_1.1.xml">
<wml>
<card id="c01">
<do type="accept"><go href="#c02"/></do>
<p>
Welcome to Citibank<br>
Account
<input name="LoginId" format="*N" value="1234567890"/>
</p>
</card>
<card id="c02">
<do type="accept"><go href="#c98"/></do>
<p>
Password
<input name="pswd" type="password"/>
</p>
</card>
<card id="c98">
<do type="accept"><go href="#c99"/></do>
<p>
<select name="cmdSubmit">
<option value="Login">Login</option>
<option value="Cancel">Cancel</option>
</select>
</p>
</card>
<card id="c99">
<onevent type="onenterforward">
<go method="post"
href="http://www.CitiMobile.com/WapHome.asp?CrSI=aaabbb">
<postfield name="LoginId" value="{LoginId}"/>
<postfield name="pswd" value="{pswd}"/>
<postfield name="cmdSubmit" value="{cmdSubmit}"/>
</go>
</onevent>
</card>
</wml>

```

Figure 8b

```

</mobile>
</html>
</head>
</head>
</body>
<form name=Form1 method=post action="Default.asp"
<card>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" type="text" value="1234567890"
    format="*N"/>
  <br>
  </card>
  <card>
    Password
    <input name="pswd" type="password"/>
    <br>
    </card>
    <card>
      <input name="cmdSubmit" type="submit" value="Login">
      <input name="cmdSubmit" type="submit" value="Cancel">
    </card>
  </form>
</body>
</html>
</mobile>

```

Figure 9a

```

</html>
</head>
</head>
</body>
<form method="post" action="www.CitiMobile.com/ChtmlHome.asp?CrtSt=aaabbb">
  Welcome to Citibank<br>
  Account
  <input type=text name=LoginId value="1234567890">
  <br>
  Password
  <input type=password name=pswd>
  <br>
  <input type=submit name=cmdSubmit value="Login">
  <input type=submit name=cmdSubmit value="Cancel">
</form>
</body>
</html>

```

Figure 9b

FIG. 10 is a block diagram of a system 50 for providing a user interface to a user 85. The system 50 includes a server 45, a network 46, a database 47, a user interface 48, a user 85, and a network 80. The server 45 is connected to the network 46, which is connected to the database 47. The user interface 48 is connected to the database 47. The user 85 is connected to the network 80, which is connected to the server 45.

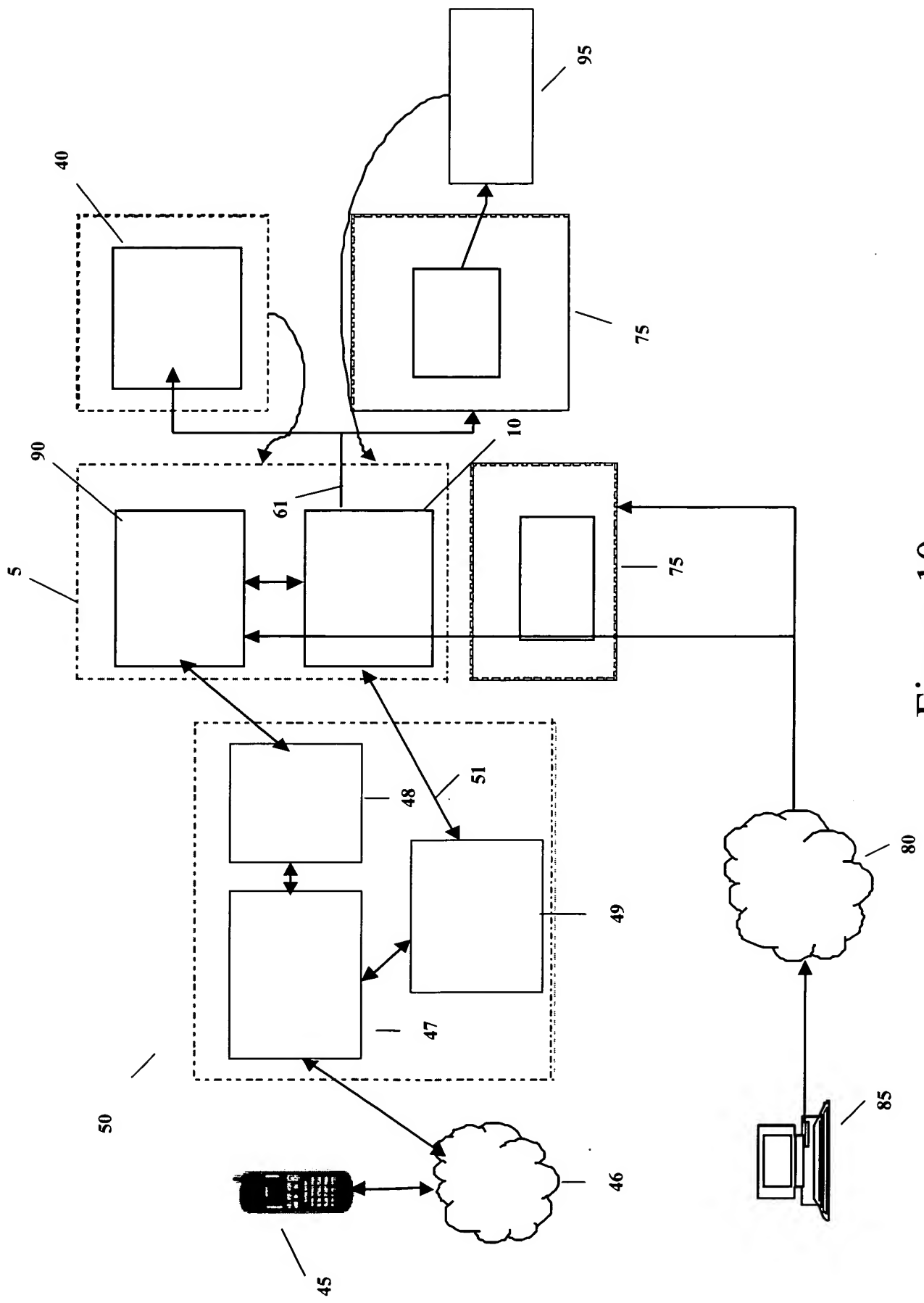


Figure 10

Figure 11 is a block diagram of a system architecture. The system includes three mobile devices (45a, 45b, 45c) connected to three cloud services (50a, 50b, 50c). These cloud services are connected to a central processing unit (60a, 60b, 60c) which is part of a larger system (60). The system (60) is connected to a database (65) and a network (67). The network (67) is connected to a server (90) and a client (95). The server (90) is connected to a database (65) and a network (67). The client (95) is connected to a network (67) and a server (90). The system (60) is also connected to a network (67) and a server (90).

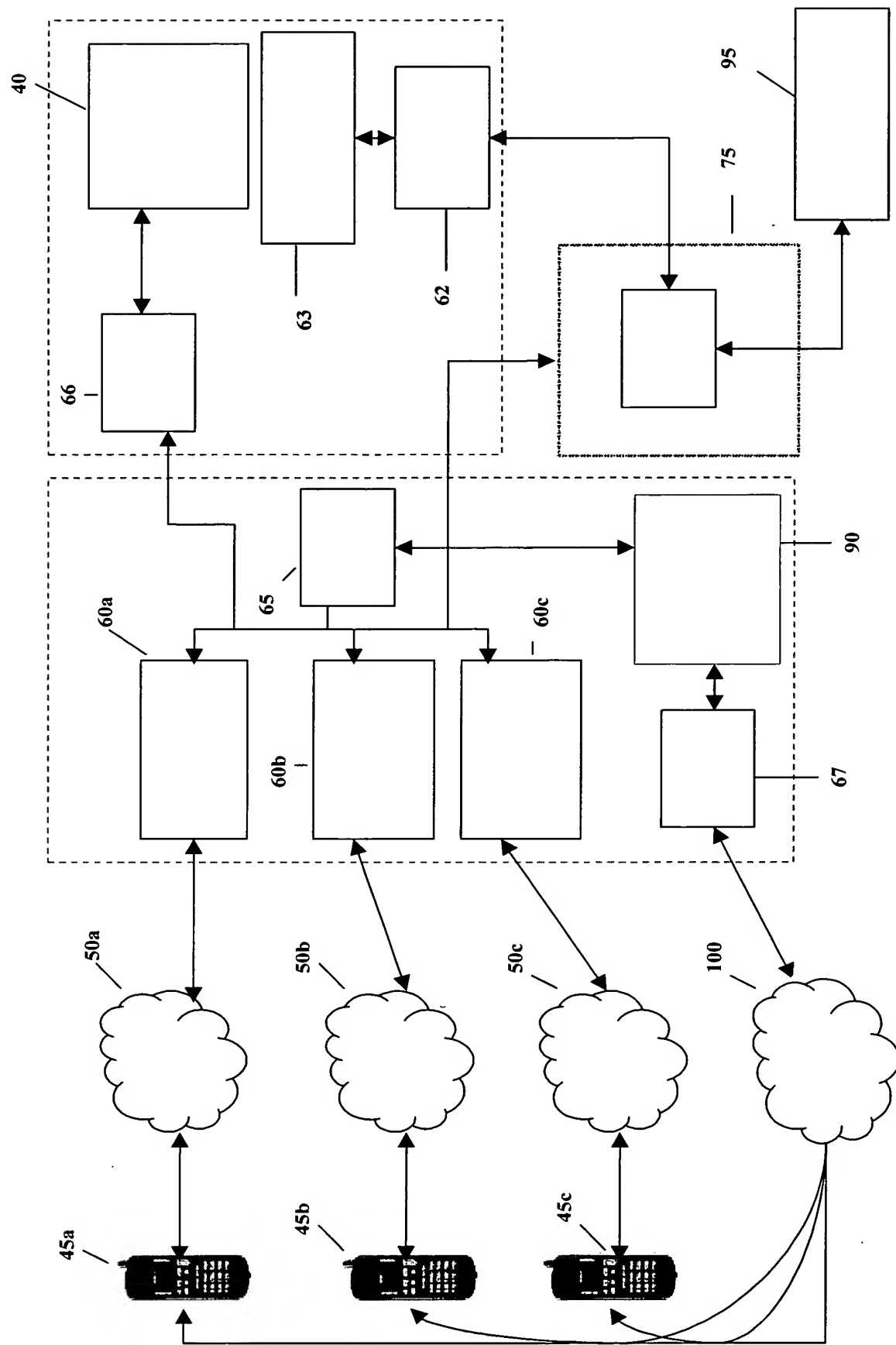


Figure 11

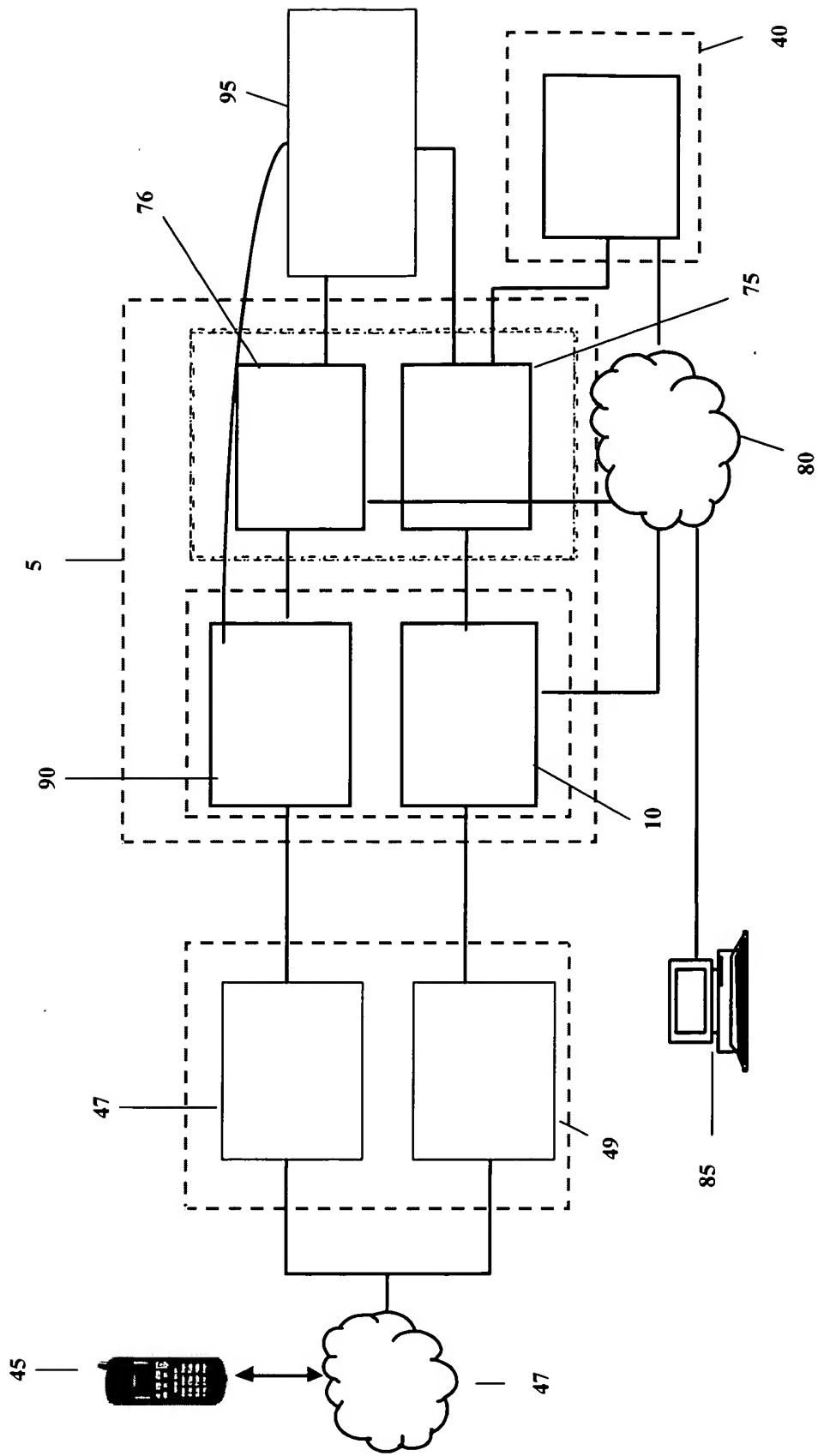


Figure 12